

Fig. 1

Organization Class Table

Entry No.	Org. Name
96	Oracle

202

Fig. 2A

Department Class Table

Entry No.	Org. Name	State
97	Administrative	CA
98	Sales	NY
99	R & D	CA

204

Fig. 2B

Person Class Table

Entry No.	Last Name	First Name	Tel. No.	State	Manager
100	Doe	John	555-1111	CA	Larry Founder
101	Smith	Jim	555-2222	NY	John Doe
102	Jones	Joe	555-3333	CA	Jim Smith
103	Founder	Larry	555-4444	CA	

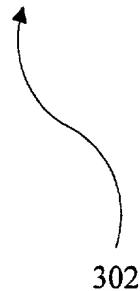
208

206

Fig. 2C

Revised Person Class Table

Entry No.	Last Name	First Name	Tel. No.	Manager	State	Email Address
100	Doe	John	555-1111	Larry Founder	CA	jdoe
101	Smith	Jim	555-2222	John Doe	NY	
102	Jones	Joe	555-3333	Jim Smith	CA	
103	Founder	Larry	555-4444		CA	



302

Fig. 3

Attribute Store Table

EID	AttrName	AttrVal	AttrKind
96	Org. Name	Oracle	User
97	Dept. Name	Administration	User
97	State	CA	User
98	Dept. Name	Sales	User
98	State	NY	User
99	Dept. Name	R & D	User
416	99	State	CA
418	100	First name	John
420	100	Last name	Doe
422	100	Tel. No.	555-1111
423	100	Manager	Larry Founder
	100	State	CA
	101	First name	Jim
	101	Last name	Smith
	101	Tel. No.	555-2222
	101	Manager	John Doe
	101	State	NY
	102	First name	Joe
	102	Last name	Jones
	102	Tel. No.	555-3333
	102	Manager	Jim Smith
	102	State	CA
	103	First name	Larry
	103	Last name	Founder
	103	Tel. No.	555-4444
	103	State	CA
446	100	Modification Timestamp	01/01/97
	101	Modification Timestamp	07/01/97
	102	Modification Timestamp	07/30/98
	103	Modification Timestamp	01/01/98

Fig. 5

EID	AttrName	AttrVal	AttrKind
416	100	First name	John
418	100	Last name	Doe
420	100	Tel. No.	555-1111
422	100	Manager	Larry Founder
423	100	State	CA
446	100	Modification Timestamp	01/01/97
502	2	Attribute_Type	Name="First Name" Parameter=name syntax; only one first name;
504	2	Attribute_Type	Name="Last Name" Parameter=name syntax; only one first name;
506	2	Attribute_Type	Name="Tel. No." Parameter=telephone number syntax; can have up to two.
508	2	Attribute_Type	Name="Manager" Parameter=name syntax with first and last name; can have multiple managers.
509	2	Attribute_Type	Name="State" Parameter=State syntax; only one state
510	2	Attribute_Type	Name="Modification Timestamp" Parameter=date syntax; only one modification timestamp.
512	2	Object classes	Name="Person"; Mandatory Attr= "First Name", "Last Name", "Modification Timestamp"; Optional Attr= "Tel.No.", "Manager", "State"
514	100	Object class	Person
	:	:	:

Last Name Catalog Table

EID	AttrValue
100	Doe
103	Founder
102	Jones
101	Smith

Fig. 6A

First Name Catalog Table

EID	AttrValue
101	Jim
100	Joe
102	John
103	Larry

Fig. 6B

Telephone Number Catalog Table

EID	AttrValue
100	5551111
101	5552222
102	5553333
103	5554444

Fig. 6C

Manager Catalog Table

EID	AttrValue
102	joe jones
101	john doe
100	larry founder

Fig. 6D

State Catalog Table

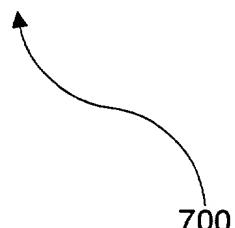
EID	AttrValue
97	CA
98	NY
99	CA
100	CA
101	NY
102	CA
103	CA

Fig. 6E

Distinguished Name Table

EID	RDN	ParentDN
96	Oracle	
97	Administration	Oracle
98	Sales	Oracle
99	R&D	Oracle
100	John Doe	Oracle.R&D
101	Jim Smith	Oracle.R&D
102	John Jones	Oracle.Sales
103	Larry Founder	Oracle.Administrative

Fig. 7



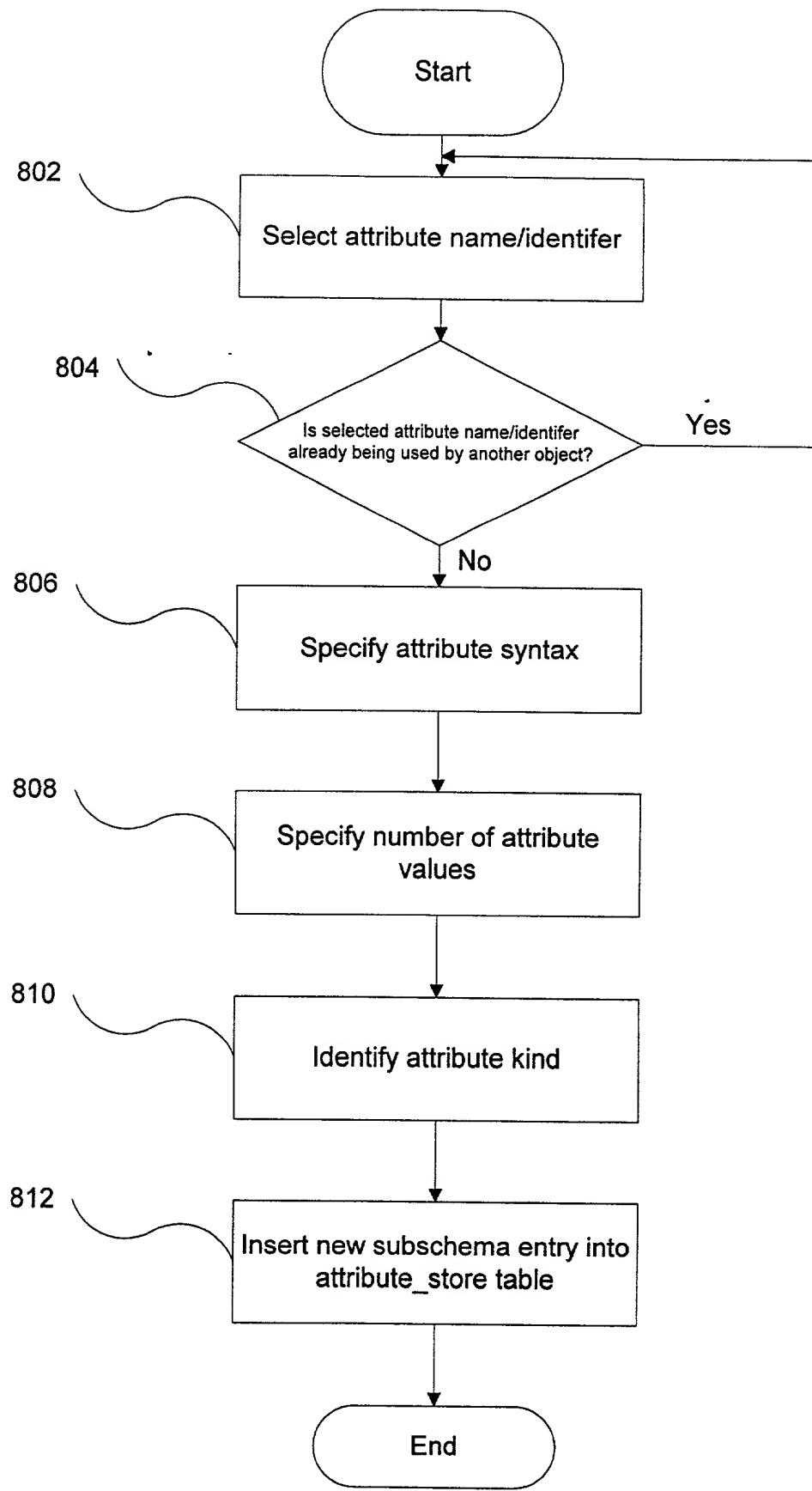


Fig. 8

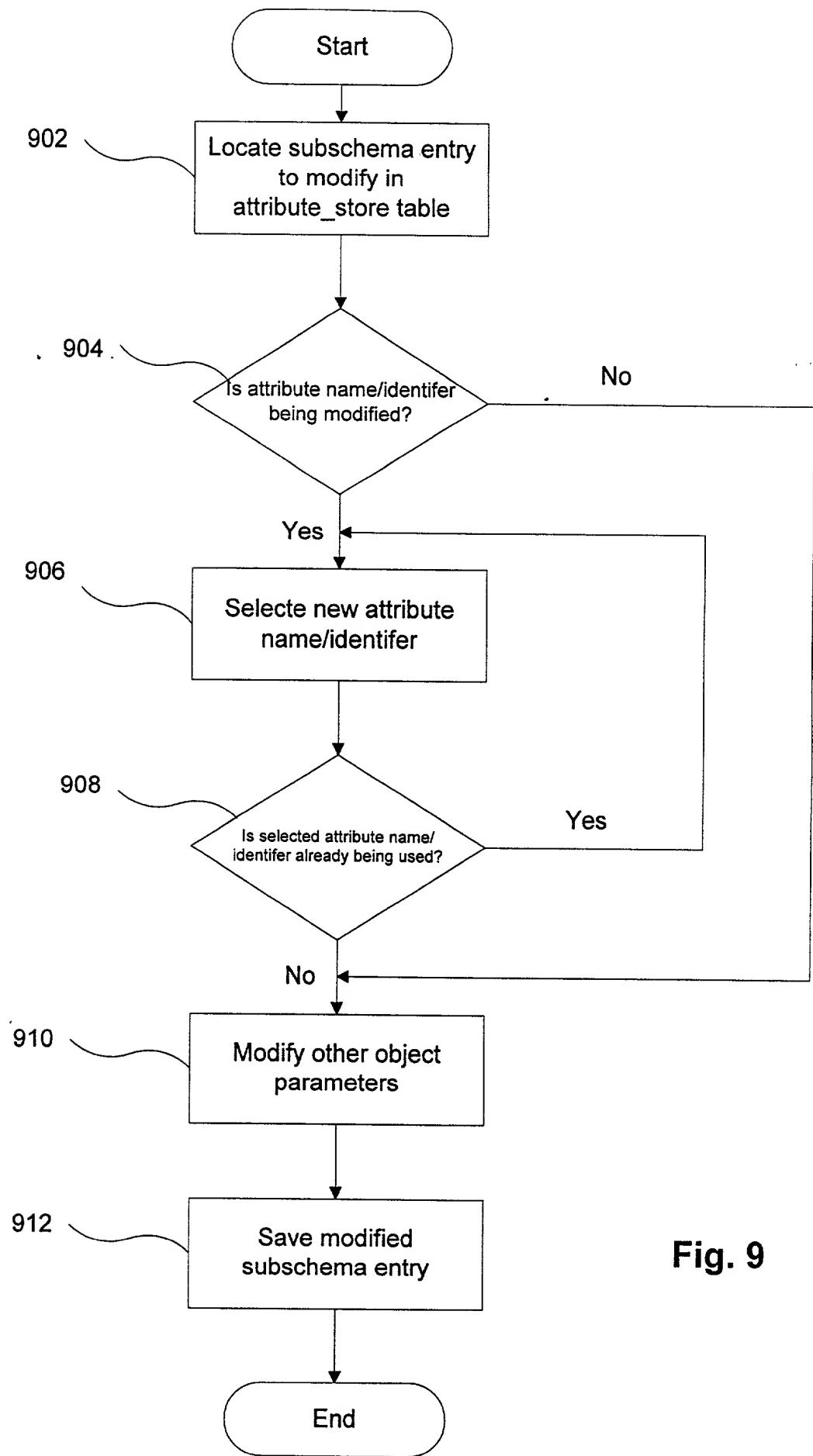


Fig. 9

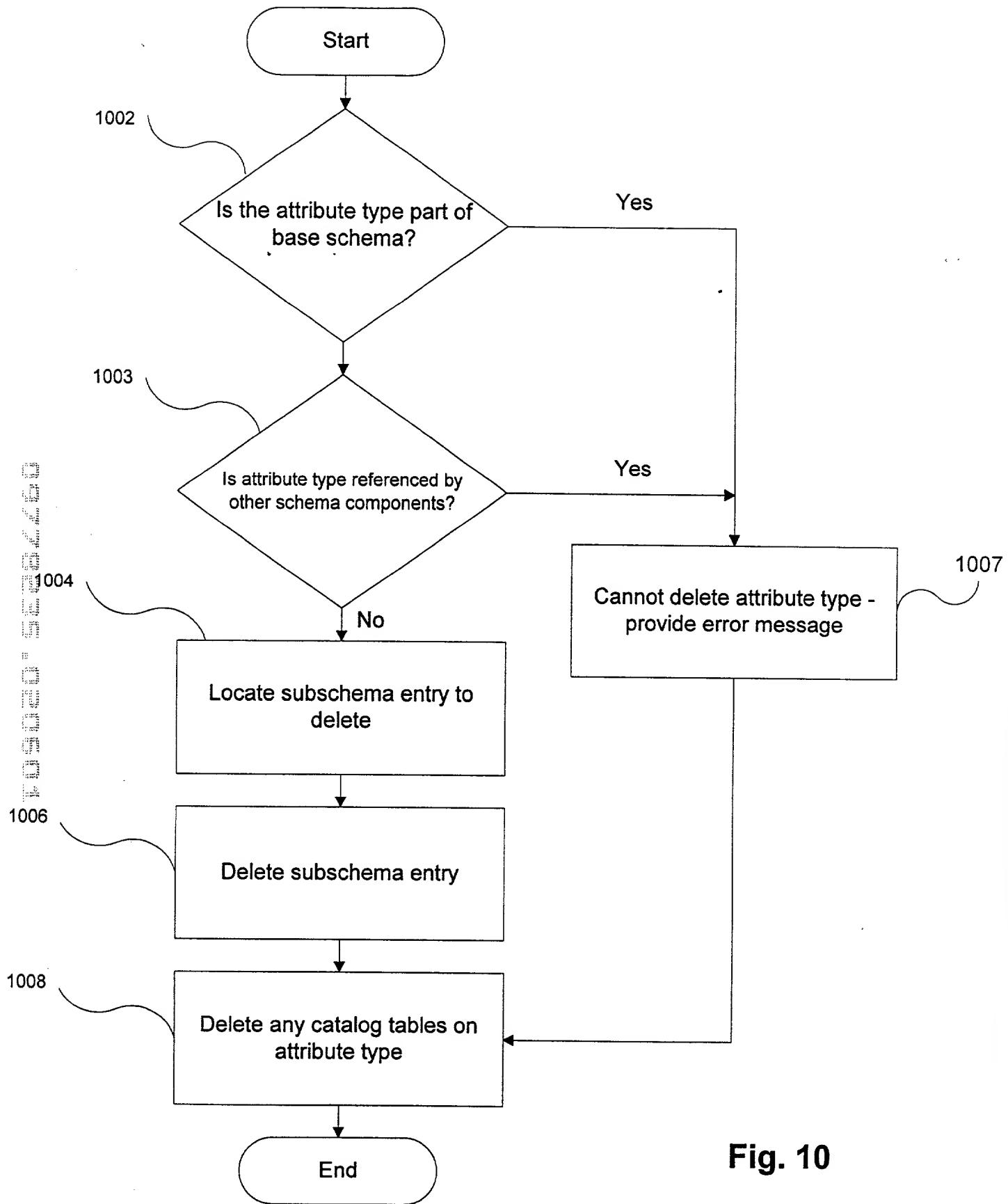


Fig. 10

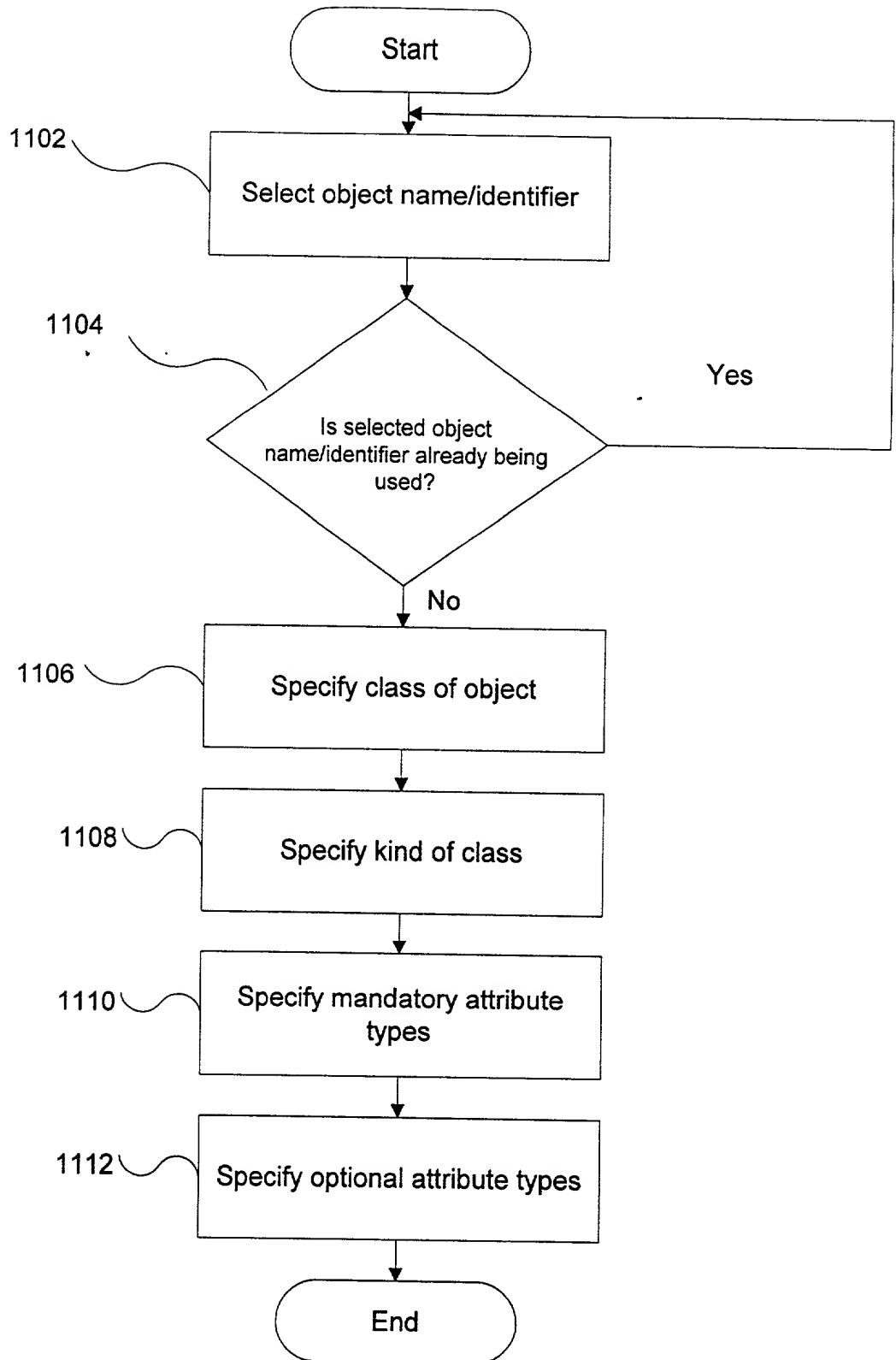


Fig. 11

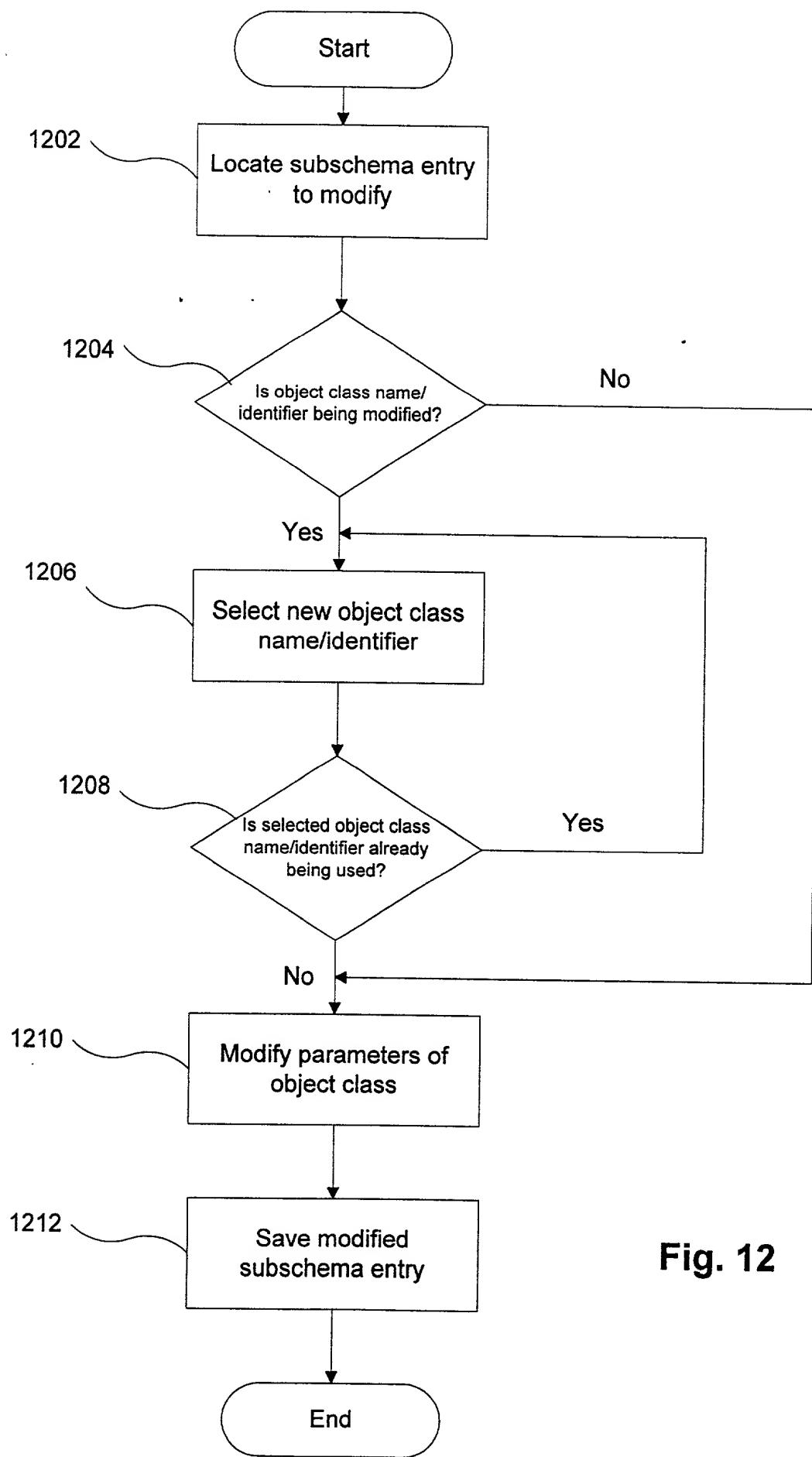


Fig. 12

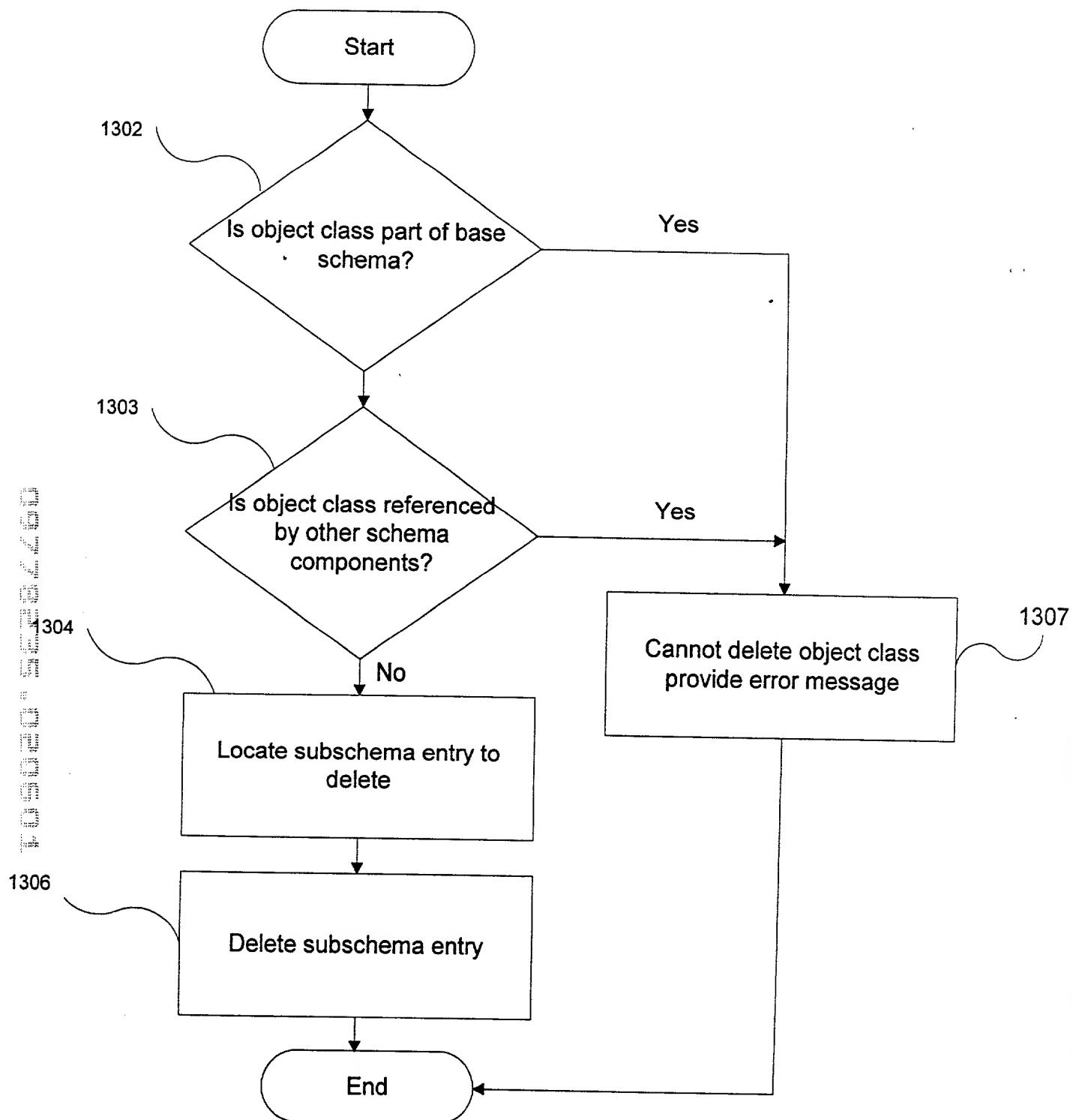


Fig. 13

Fig. 14

